July 6, 2007

#### VIA CERTIFIED MAIL

Mary Logan U.S EPA Region V (SR-6J) 77 W Jackson Boulevard Chicago, IL 60604-3590

**RUTGERS Organics Corporation** 

Sheila Abraham
Ohio EPA - NE District Office
Div Of Emergency & Remedial Response
2110 East Aurora Road
Twinsburg, OH 44087

Remedial Response Section Manager Ohio EPA - DERR P.O Box 1049 Lazarus Government Center Office 122 South Front Street Columbus, OH 43216-1049

Re:

**JUNE 2007 MONTHLY REPORT** 

RI/FS & REMEDIAL DESIGN & REMOVAL ACTION

**NEASE CHEMICAL SITE** 

SALEM, OHIO

In accordance with Paragraph X E of the Administrative Order by Consent regarding a Remedial Investigation/Feasibility Study (RI/FS) of the Nease Chemical Site in Salem, Ohio, attached is a copy of the June 2007 RI/FS Progress Report. This report also includes the monthly progress report for the remedial design (OU-2) in accordance with Paragraph X of the Administrative Order on Consent, effective as of May 10, 2006.

Additionally, in accordance with Paragraph 14 of the Administrative Order by Consent, signed December 17, 1993, attached is a copy of June 2007 Removal Action Progress Report

Sincerely,

Dr Rainer F Domalski Site Coordinator

**Enclosures** 

CC.

M Hardy/Heidi Goldstein – Thompson Hine Steve Finn – Golder Associates, Inc

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# NEASE CHEMICAL SITE, SALEM, OHIO REMEDIAL INVESTIGATION/FEASIBILITY STUDY REMEDIAL DESIGN (OU-2) MONTHLY PROGRESS REPORT JUNE 2007

#### 1. INTRODUCTION

This progress report has been prepared in accordance with Paragraph XE of the Administrative Order of Consent (AOC) regarding a Remedial Investigation/Feasibility Study (RI/FS) and Paragraph X of the Administrative Order on Consent regarding the Remedial Design (RD/OU-2) of the Nease Chemical Site in Salem, Ohio The report summarizes the major RI/FS and RD actions during the month along with investigation results and any problems encountered in the project. Activities planned for next month are also presented.

#### 2 SUMMARY OF ACTIVITIES PERFORMED

#### 2.1 PROJECT ACTIVITY SUMMARY

The activities that were initiated and/or completed during the month are described. All activities were performed in accordance with the detailed protocol provided in the approved Work Plan.

#### 22 FIELDWORK

#### 2 2 1 RI/FS

The floodplain soil samples taken in September 2006 were analyzed by OEPA lab for mirex. The results were validated by Golder

#### 2 2 2 RD (OU-2)

According with the PDI workplan the following work was accomplished during this month

#### 2.3 Reports

#### 2.3.1 RI/FS

In preparation of the upcoming Feasibility Study (FS) for OU-3 (Feeder Creek, MFLBC), the agencies and ROC agreed on additional sampling in the MFLBC including sediment, fish, surface water and flood plain soil to have a sufficient data base for the study. The first step, the reconnaissance of sediment bodies in the MFLBC, was performed from August 1 through 15, 2005. Sediment and fish samples were taken in the week of October 10, 2005, the surface water samples in the last October week. The analytical results of the samples taken were validated by the ROC's technical consultant and submitted to the agencies. Sampling locations for the flood plain soil were determined. ROC has obtained an access agreement with the owners. The actual sampling was conducted in the week of September 18, 2006. The samples were analyzed. The data packages were validated by Golder.

The technical team consisting from representatives of U S EPA, Ohio EPA, Golder and ROC had a kick-off meeting on September 27, 2006 in Columbus, Ohio, to commence the work on the Feasibility Study (FS) for the Feeder Creek and MFLBC A follow-up meeting was conducted on

December 13, 2006 discussing potential cleanup goals and methods. On March 27, 2007, US EPA provided ROC with a memo regarding preliminary remediation goal for sediments in MFLBC.

#### 2 3.2 RD (OU-2)

The results of the ongoing PDI field investigation and lab studies are discussed in frequent conference calls between the agencies, ROC and its technical consultant.

<u>NZVI Field Pilot Study</u> - Proceed with the work outlined in the revised proposal for the Biotreatability Study for Benzene submitted to the agencies on May 10

<u>PDI Report - Technical Memorandum - Baseline Conditions - This report was submitted to the agencies on June 14</u>

#### 24 MEETINGS

Sheila Abraham, OEPA, and Rainer Domalski, ROC, together with A&Z (contractor) had a meeting with two home owners regarding the installation of sublab systems

#### 3 VARIATIONS FROM THE APPROVED WORK PLAN

None.

#### 4 RESULTS OF SAMPLING, TESTS AND ANALYSES

The results from the sampling were and will be provided to the agencies in specific reports

#### 5 PROJECT SCHEDULE

The current Work Plan schedule identifies completion and target dates for project activities. Those scheduled to occur over the next several months include

- Feasibility Study OU-3 (Feeder Creek, Middle Fork of Little Beaver Creek)
- O Continue PDI work incl. the preparation of the Technical Memoranda

#### 6 DIFFICULTIES ENCOUNTERED AND ACTION TAKEN TO RESOLVE PROBLEMS

No significant difficulties were encountered

#### 7 PERSONNEL CHANGES

None

#### **8 ANTICIPATED PROJECT ACTIVITIES FOR JULY 2007**

- Monthly Progress Report June 2007
- RI/FS
  - o OU-3 Feasibility Study
- RD (OU-2)

#### NZVI Field Pilot Study

- 1. Provide the Agencies with results from the May sampling event.
- Cotinue with the work outlined in the revised proposal for the Biotreatability Study for Benzene.

- o S/S/S Treatability Study Submit a revised Technical Memorandum based on agencies' comments, then pending on agencies' comments proceed the final phase of the Study (Phase IV)
- Southern Groundwater Assessment Implement an interim measure for the removal of NAPL at TW06-12.

## TABLE 1 NEASE CHEMICAL SITE, SALEM, OHIO RI/FS AND RD (OU-2) SCHEDULE

DATE	TASK/ACTIVITY/DELIVERABLE/MILESTONE						
	RI/FS	RD (OU-2)					
	Documentation of the Site Activities through July 31, 2004 can be reviewed in the July 2004 Monthly Progress Report						
August 30, 2004 September 1, 2004	US EPA Region V/ OEPA approve Endangerment Assessment Draft Feasibility Study (OU-2) submitted to the agencies for review						
September 9, 2004	Submit Monthly Progress Report						
September 13, 2004	Submit Final Revision to Endangerment Assessment						
October 8, 2004	Submit Monthly Progress Report	·					
November 10, 2004	Submit Monthly Progress Report						
November 22, 2004	Received Agencies' comments for draft FS (OU-2)						
December 10, 2004	Submit Monthly Progress Report						
January 10, 2005	Submit Monthly Progress Report						
February 10, 2005	Submit Monthly Progress Report						
March 1, 2005	Final Draft Feasibility Study (OU-2) submitted to agencies for review						
March 4, 2005	Submit Monthly Progress Report						
April 8, 2005	Submit Monthly Progress Report US EPA Region V/OEPA approve						
April 21, 2005	Final Feasibility Study for OU-2	•					
May 9, 2005	Submit Monthly Progress Report						
May 31, 2005	US EPA Region V published the Proposed Remedial Action the OU-2 (onsite)						
June 9, 2005	Submit Monthly Progress Report	· .					
July 8, 2005	Submit Monthly Progress Report						
August 10, 2005	Submit Monthly Progress Report						
Aug. 1 – 15, 2005	MFLBC – Reconnaissance of sediment bodies						
September 9, 2005	Submit Monthly Progress Report						
September 29, 2005	US EPA Region V signs Final Record of Decision for OU-2						
October 10, 2005	Submit Monthly Progress Report	•					

DATE	TASK/ACTIVITY/DELIVERABLE/MILESTONE			
	RI/FS	RD (OU-2)		
November 9, 2005	Submit Monthly Progress Report			
December 8, 2005	Submit Monthly Progress Report			
January 9, 2006	Submit Monthly Progress Report			
February 8, 2006	Submit Monthly Progress Report			
March 15, 2006	Submit Monthly Progress Report			
April 10, 2006	Submit Monthly Progress Report			
May 8, 2006	Submit Monthly Progress Report			
May 10, 2006	,	Administrative Order on Consent for OU-2 Remedial Design effective		
May 25, 2006	·	Submittal of draft PDI Workplan		
June 8, 2006	Submit Mont	hly Progress Report		
June 9, 2006		ACO Financial Assurance – Trust Fund placed		
June 28, 2006		US EPA comments to draft PDI workplan received		
July 10, 2006	Submit Mont	hly Progress Report		
July 12, 2006		Sampling of well PZ-6B-U		
Aug. 1, 2006		Submit revised PDI Workplan		
Aug. 4, 2006	Submit Mont	hly Progress Report		
Aug. 21, 2006	·	Commenced with PDI Fieldwork		
Aug 28, 2006		Conditional Approval of PDI Workplan		
Sept 8, 2006		hly Progress Report		
Sept. 18, 2006	Soil Sampling in the MFLBC Flood Plain			
Sept. 27, 2006		Submit Final PDI Workplan incl response to agencies' comments		
October 8, 2006	Submit Mont	hly Progress Report		
Nov 6, 2006	Submit Mont	hly Progress Report		
Dec. 12, 2006	Submit Mont	hly Progress Report		
Dec. 13, 2006	OU-3 Meeting in US EPA Chicago Office			
Jan 8, 2007	Submit Mont	hly Progress Report		
Febr. 6, 2007	Submit Monti	hly Progress Report Submittal S/S/S Treatability Study Report		
March 7, 2007		through Phase III		
March 19, 2007	Submit Mont	hly Progress Report		
March 22, 2007		Submittal Proposal Bio-Treatability Study for Benzene in Groundwater		
April 4, 3007	Submit Mont	hly Progress Report		
May 21, 2007	Submit Mont	hly Progress Report		
June 7, 2007	Submit Monthly Progress Report			

DATE	TASK/ACTIVITY/DELIVERABLE/MILESTONE			
June 13, 2007	Submit Technical Memorandum -			
	Baseline Conditions to agencies			
luno 20 2007	Installed Sub-slab Vapor Systems at			
June 30, 2007	two residential homes			
July 6, 2007	Submit Monthly Progress Report			

#### NEASE CHEMICAL SITE, SALEM, OHIO REMOVAL ACTION MONTHLY PROGRESS REPORT JUNE 2007

#### 1.0 INTRODUCTION

This progress report has been prepared in accordance with Paragraph 14 of the "Order" section of the Administrative Order by Consent (AOC) Docket No. V-W-94-C-212, effective November 17, 1993, regarding a Removal Action for the Nease Chemical Site in Salem, Ohio. The report summarizes the major activities during the month along with investigation results and any problems encountered on the project. Activities planned for next month are also presented

#### 2.0 SUMMARY OF ACTIVITIES PERFORMED

#### 2.1 PROJECT ACTIVITY

The activities that were initiated and/or completed during this month are described below. Activities were performed in accordance with the Removal Action AOC

The agencies and ROC discussed modifications of the existing onsite groundwater treatment system to optimize the protection against spills. ROC summarized the modifications agreed by the parties in a letter to the agencies. The contractor bids were received and were awarded. Their implementation is scheduled for the first week of July. During this time the groundwater treatment system will be shutdown, not the water recovery at Pond ½ that gets treated off-site.

#### 2.2 WORK PLAN PREPARATION/REPORTS

No work plans/reports were submitted this period

#### 23 FIELDWORK

#### 2.3.1 SITE INSPECTIONS

The results of the monthly site inspection carried out at the site on June 29, 2007 are shown in Attachment 1.

#### 2.3 2 MONTHLY WATER LEVEL MEASUREMENTS

Water level measurements in monitoring wells were not taken during this month

#### 2 3.3 TREATMENT PLANT OPERATION

The treatment plant operated mostly normal throughout the month.

#### 2.4.1.1 **MEETINGS**

None

#### 3.0 VARIATIONS FROM THE APPROVED REMOVAL ACTION WORK PLAN

None

## 4.0 RESULTS OF INSPECTIONS, ENVIRONMENTAL SAMPLING, TESTS AND ANALYSES

Water monitoring samples were collected from the treatment plant on June 6 and 19 (see Attachments 2 and 3). The water sampling results from the second sampling event were available for this report and will submitted with the July report. The next Acute Toxicity Evaluations is scheduled for August.

#### 5.0 PROJECT SCHEDULE

The updated Work Plan schedule identifies completion and target dates for project activities.

#### 6.0 DIFFICULTIES ENCOUNTERED AND ACTION TAKEN TO RESOLVE PROBLEMS

None

#### 7.0 PERSONNEL CHANGES

No personnel changes occurred during month.

#### 8.0 TYPES AND QUANTITIES OF REMOVED MATERIALS

For the period from June 1 through 30, 2007 the following material was removed

- 15,200 gallons of leachate and/or backwash water were disposed off-site at a licensed treatment facility
- Approximately 90,011 gallons were pumped from Leachate Collection System 1 (LCS-1) (total for LCS-1 =20,312,511 gal)
- Approximately 11,986 gallons were pumped from Leachate Collection System 2 (LCS-2) (total for LCS-2 = 1,593,926 gal).
- No water was pumped from Pond 1 (total for the pond = 1,021,138/ gallons)
- Approximately 16 pounds of organic compounds were removed during pumping (estimate based on average VOC/SVOC concentrations for each source)

#### 9.0 ANTICIPATED PROJECT ACTIVITIES FOR JULY 2007

Removal Action activities scheduled for the upcoming month include on-going implementation of the approved Removal Action Work Plan involving:

- Collection of groundwater from the existing collection systems LCS-1, LCS-2 and Pond 1.
- Implementation of planned treatment plant modifications
- Monthly Progress Report for June 2007

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#### TABLE 1 NEASE CHEMICAL SITE, SALEM, OHIO REMOVAL ACTION SCHEDULE

DATE	TASK/ACTIVITY/DELIVERABLE/MILESTONE
	Documentation of the Site Activities through July 31, 2004 can be reviewed in the July 2004 Monthly Progress Report
September 9, 2004	Submit Monthly Progress Report
October 8, 2004	Submit Monthly Progress Report
November 10, 2004	Submit Monthly Progress Report
December 10, 2004	Submit Monthly Progress Report
January 10, 2005	Submit Monthly Progress Report
February 10, 2005	Submit Monthly Progress Report
March 4, 2005	Submit Monthly Progress Report
Арпі 8, 2005	Submit Monthly Progress Report
May 9, 2005	Submit Monthly Progress Report
June 9, 2005	Submit Monthly progress Report
July 8, 2005	Submit Monthly Progress Report
August 10, 2005	Submit Monthly Progress Report
September 9, 2005	Submit Monthly Progress Report
October 10, 2005	Submit Monthly Progress Report
November 9, 2005	Submit Monthly Progress Report
December 8, 2005	Submit Monthly Progress Report
January 9, 2006	Submit Monthly Progress Report
February 8, 2006	Submit Monthly Progress Report
March 15, 2006	Submit Monthly Progress Report
April 10, 2006	Submit Monthly Progress Report
May 8, 2006	Submit Monthly Progress Report
June 8, 2006	Submit Monthly Progress Report
July 10, 2006	Submit Monthly Progress Report
August 4, 2006	Submit Monthly Progress Report
September 8, 2006	Submit Monthly Progress Report
October 8, 2006	Submit Monthly Progress Report
November 6, 2006	Submit Monthly Progress Report
December 12, 2006	Submit Monthly Progress Report
January 8, 2007	Submit Monthly Progress Report
February 6, 2007	Submit Monthly Progress Report
March 19, 2007	Submit Monthly Progress Report
April 4, 2007	Submit Monthly Progress Report
May 21, 2007	Submit Monthly Progress Report
June 7, 2007	Submit Monthly Progress Report
	Submit Monthly Progress Report

#### **ATTACHMENT 1**

#### RESULTS OF MONTHLY SITE INSPECTION NEASE CHEMICAL SITE, SALEM, OHIO JUNE 2007

#### SITE INSPECTION FORM RUETGERS-NEASE CORPORATION Nease Site, Salem, Ohio

Date of Inspection: 6-29-07			
Entry Time: 1000 Hes.	Exit Time:	1300 ites.	
Weather: CLOUDY 72°			
Inspector's Name: DENNIS L. LANE		3	
Inspector's Company: Howells	and Baird, Inc.		

#### INSPECTION RESULTS

SPECIFIC OBSERVATIONS:

Structures

(Responses: S = Satisfactory U = Unsatisfactory Yes/No Levels Measured in Feet, N/A = Not Applicable)

	Romp	Quick Connect	Water / Level	Berm Erosion	Visible ALeakage
Leachate Collection System 1 (LCS-1)	S	S	2.61	N/A	No
Leachate Collection System 2 (LCS-2)	S	S	10,05	NA	No
Pond 1 Pumphouse	S	S	9.57	NA	No
Pond 1 Berm	N/A	N/A	N/A	No	No
Pond 2 Embankment	N/A	N/A	N/A	No	No
Exclusion Area A Embankment	N/A	N/A	N/A	No	No
Storage Tank	N/A	Ś	4.98	N/A	No
Other (specify)					

SPECIFIC OBSERVATIONS:

Sediment Barriers

Condition of Sediment Barriers

Barrier ID	Fabric Intact?	By Passing Evident?	Is Maintenance Necessary?
Sediment Control Structure 1	YES	No	No
Sediment Control Structure 2	YES	No	No
Fabric Barrier 2	YES	No	No
Fabric Barrier 3	YES	No	No
Fabric Barrier 4	YES	No	No
Fabric Barrier 5	YES	No	No
Fabric Barrier 8	YES	No	No
Fabric Barrier 9	YES	No	No
Fabric Barrier 10	YES	No	No
Rock Barrier 1	YES	No	No
Rock Barrier 2	YES	No	No
Pond 7 - North	YES	No	No
Pond 7 - South	YES	No	No

SPECIFIC OBSERVATIONS:

Seeps (if present, use more forms, as necessary)

Seep ID (yr-month=#)	Located on Maple	Area Extent (fi.2)	Magnitude (flow?) ponding?)
94-7-1	YES	20	Non-FLOWING SEEF
96-8-2	YES	20	NON-FLOWING SEEF

Note Seep ID # equal the "nth' observed seep during the yr-month in question

ADDITIONAL OF	BSERVATION OR REMARKS:	
	DENNIS L. LAME	
Inspector's Signate	ure: <u>Nemis</u> L. Lane	
Date:	6-29-07	

#### **ATTACHMENT 2**

#### WATER SAMPLING RESULTS – JUNE 6, 2007 NEASE CHEMICAL SITE, SALEM, OHIO

## SEVERN TRENT LABORATORIES, INC. PRELIMINARY DATA SUMMARY

The results shown below may still require additional laboratory review and are subject to change. Actions taken based on these results are the responsibility of the data user. Rutgers Organics Corporation PAGE SALEM, OHIO SITE Lot #: A7F060222 Date Reported: 6/13/07 REPORTING ANALYTICAL PARAMETER LIMIT UNITS METHOD Client Sample ID: INFLUENT 6-6-07 Sample #: 001 Date Sampled: 06/06/07 08:30 Date Received: 06/06/07 Matrix: WATER Inorganic Analysis Reviewed 0.10 Nitrite as N MCAWW 300.0A . ND mg/L 0.10 Nitrate as N ND MCAWW 300.0A mg/L ND 2.0 mg/L MCAWW 350.2 Ammonia Nitrogen ND 0.1 mg/L MCAWW 365.2 Total phosphorus Client Sample ID: OUTFALL 6-6-07 Sample #: 002 Date Sampled: 06/06/07 08:30 Date Received: 06/06/07 Matrix: WATER Inorganic Analysis Reviewed Nitrite as N ND 0.10 mg/L MCAWW 300.0A Nitrate as N ND 0.10 mg/L MCAWW 300.0A Ammonia Nitrogen 3.1 2.0 mg/L MCAWW 350.2 Total phosphorus 0.1 0.1 mg/L MCAWW 365.2

#### **ATTACHMENT 3**

#### WATER/AIR SAMPLING RESULTS - JUNE 19, 2007 NEASE CHEMICAL SITE, SALÉM, OHIO

### TESTAMERICA LABORATORIES, INC. (FKA STL) PRELIMINARY DATA SUMMARY

The results shown below may still require additional laboratory review and are subject to

change. Actions taken based on these results are the responsibility of the data user.

Rutgers Organics Corporation PAGE Lot #: H7F200182 State College, PA/Salem, OH Date Reported: 7/02/07 REPORTING ANALYTICAL UNITS PARAMETER RESULT LIMIT METHOD Client Sample ID: AGAC 1-2-6-19-07 Sample #: 001 Date Sampled: 06/19/07 13:05 Date Received: 06/20/07 Matrix: AIR Volatile Organics by TO14 A (Low Level) Reviewed 0.50 ppb(v/v) Benzene ND EPA-2 TO-14A Bromodichloromethane ND 0.50  $ppb(\dot{v}/v)$ EPA-2 TO-14A 0.50 ND Bromoform ppb(v/v)EPA-2 TO-14A ND 0.50 Carbon tetrachloride EPA-2 TO-14A ppb(v/v)Chlorobenzene ND 0.50 EPA-2 TO-14A ppb(v/v)Dibromochloromethane ND 0.50 ppb(v/v)EPA-2 TO-14A Chloroethane ND 0.50 (v/v) dag EPA-2 TO-14A Chloroform ND 0.50 (v/v) dqqEPA-2 TO-14A 1,2-Dibromoethane (EDB) ND 0.50 ppb(v/v)EPA-2 TO-14A Dibromomethane ND 1.0 ppb(v/v)EPA-2 TO-14A 1,2-Dichlorobenzene 0.50 ppb(v/v) ND EPA-2 TO-14A 0.50 1,3-Dichlorobenzene ND EPA-2 TO-14A ppb(v/v)1,4-Dichlorobenzene ND 0.50 EPA-2 TO-14A ppb(v/v)Dichlorodifluoromethane ND 0.50 EPA-2 TO-14A ppb(v/v)1,1-Dichloroethane ND 0.50 EPA-2 TO-14A ppb(v/v)1,2-Dichloroethane ND 0.50 EPA-2 TO-14A ppb(v/v)cis-1,2-Dichloroethene 0.62 0.50 EPA-2 TO-14A ppb(v/v)trans-1,2-Dichloroethene ND 0.50 EPA-2 TO-14A ppb(v/v)1,1-Dichloroethene ND 0.50 EPA-2 TO-14A ppb(v/v)1,2-Dichloropropane ND 0.50 EPA-2 TO-14A ppb(v/v)cis-1,3-Dichloropropene ND 0.50 EPA-2 TO-14A ppb(v/v)trans-1,3-Dichloropropene ND 0.50 EPA-2 TO-14A ppb(v/v)Ethylbenzene ND 0.50 EPA-2 TO-14A ppb(v/v) Cumene ND 1.0 EPA-2 TO-14A (v/v) dag n-Propylbenzene ND 1.0 EPA-2 TO-14A ppb(v/v)Styrene ND 0.50 ppb(v/v)EPA-2 TO-14A 1,1,2,2-Tetrachloroethane ND 0.50 EPA-2 TO-14A ppb(v/v)Tetrachloroethene ND 0.50 EPA-2 TO-14A ppb(v/v)Toluene ND 0.50 EPA-2 TO-14A ppb(v/v)1,1,1-Trichloroethane ND 0.50 EPA-2 TO-14A ppb(v/v)

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0.50

0.50

0.50

1.2

0.50

0.50

0.50

ppb(v/v)

ppb(v/v)

ppb(v/v)

ppb(v/v)

ppb(v/v)

ppb(v/v)

ppb(v/v)

EPA-2 TO-14A

ND

ND

ND

ND

ND

ND

ND

1,1,2-Trichloroethane

Trichlorofluoromethane

1,2,3-Trichloropropane

1,3,5-Trimethylbenzene

m-Xylene & p-Xylene

Trichloroethene

Vinyl chloride

### TESTAMERICA LABORATORIES, INC. (FKA STL) PRELIMINARY DATA SUMMARY

The results shown below may still require additional laboratory review and are subject to

change. Actions taken based on these results are the responsibility of the data user.

Rutgers Organics Corporation PAGE Lot #: H7F200182 State College, PA/Salem, OH Date Reported: 7/02/07 REPORTING ANALYTICAL <u>UN</u>ITS RESULT LIMIT METHOD Client Sample ID: AGAC 1-2-6-19-07 Date Sampled: 06/19/07 13:05 Date Received: 06/20/07 Matrix: AIR Sample #: 001 Volatile Organics by TO14 A (Low Level) Reviewed 0..50 o-Xylene ppb(v/v)EPA-2 TO-14A Client Sample ID: AGAC F-6-19-07 Sample #: 002 Date Sampled: 06/19/07 13:05 Date Received: 06/20/07 Matrix: AIR Volatile Organics by TO14 A (Low Level) Reviewed 0.50 ppb(v/v)EPA-2 TO-14A Bromodichloromethane 0.50 ppb(v/v)EPA-2 TO-14A ND 0.50 Bromoform ppb(v/v)EPA-2 TO-14A Carbon tetrachloride 0.50 ppb(v/v)ND EPA-2 TO-14A Chlorobenzene 0.50 ppb(v/v)EPA-2 TO-14A Dibromochloromethane ppb(v/v)·ND 0.50 EPA-2 TO-14A Chloroethane ND 0.50 ppb(v/v) EPA-2 TO-14A Chloroform ND 0.50 ppb(v/v)EPA-2 TO-14A 1,2-Dibromoethane (EDB) ND 0.50 ppb(v/v)EPA-2 TO-14A Dibromomethane ND EPA-2 TO-14A 1.0 ppb(v/v)1,2-Dichlorobenzene 9.7 0.50 EPA-2 TO-14A ppb(v/v)ND 0.50 EPA-2 TO-14A 1,3-Dichlorobenzene ppb(v/v)ND 0.50 EPA-2 TO-14A 1,4-Dichlorobenzene ppb(v/v)Dichlorodifluoromethane ND 0.50 EPA-2 TO-14A ppb(v/v)0.50 EPA-2 TO-14A 1,1-Dichloroethane ND ppb(v/v)1,2-Dichloroethane . ND 0.50 EPA-2 TO-14A ppb(v/v) cis-1,2-Dichloroethene EPA-2 TO-14A 0.50 0.87 ppb(v/v)trans-1,2-Dichloroethene 0.50 EPA-2 TO-14A ND ppb(v/v)1,1-Dichloroethene ND 0.50 EPA-2 TO-14A ppb(v/v)1,2-Dichloropropane ND 0.50 EPA-2 TO-14A ppb(v/v) cis-1,3-Dichloropropene ND 0.50 EPA-2 TO-14A ppb(v/v)trans-1,3-Dichloropropene ND 0.50 EPA-2 TO-14A ppb(v/v)ND 0.50 EPA-2 TO-14A Ethylbenzene ppb(v/v)ND 1.0 Cumene ppb(v/v)EPA-2 TO-14A n-Propylbenzene ND 1.0 ppb(v/v)EPA-2 TO-14A ND 0.50 Styrene ppb(v/v)EPA-2 TO-14A 1,1,2,2-Tetrachloroethane ND. 0.50 ppb(v/v)EPA-2 TO-14A Tetrachloroethene 0.71 0.50 ppb(v/v)EPA-2 TO-14A 0.50 Toluene ND ppb(v/v)EPA-2 TO-14A

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0.50

ppb(v/v)

EPA-2 TO-14A

ND

1,1,1-Trichloroethane

## TESTAMERICA LABORATORIES, INC. (FKA STL) PRELIMINARY DATA SUMMARY

The results shown below may still require additional laboratory review and are subject to

change. Actions taken based on these results are the responsibility of the data user.

Rutgers Organics Corporation

Lot #: H7F200182

Date Reported:

7/02/07

State College, PA/Salem, OH

PARAMETER	RESULT	LIMIT	UNITS	METHOD	
ient Sample ID: AGAC F-6-19-07					

Sample #: 002 Date Sampled: 06/19/07 13:05 Date Received: 06/20/07 Matrix: AIR

Volatile Organics by TO14 A (Le	ow Level)				Reviewed
1,1,2-Trichloroethane	ND	0.50	ppb(v/v)	EPA-2 TO-14A	
Trichloroethene .	ND	0.50	ppb(v/v)	EPA-2 TO-14A	
Trichlorofluoromethane	ND	0.50	ppb(v/v) '	EPA-2 TO-14A	
1,2,3-Trichloropropane	ND	1.2	ppb(v/v)	EPA-2 TO-14A	
1,3,5-Trimethylbenzene	ND .	0.50	ppb(v/v)	EPA-2 TO-14A	
Vinyl chloride	ND	0.50	ppb(v/v)	EPA-2 TO-14A	
m-Xylene & p-Xylene	ND	0.50	ppb(v/v)	EPA-2 TO-14A	
o-Xylene	ND	0.50	ppb(v/v)	EPA-2 TO-14A	